TheLightBulb
Ideas | Actions | Results

Week 1 Foundations of Cyber Security

- Learn core cyber security concepts
- Consequences and implications
- Core Terminology
- Learn what Good / Bad actors are and how they impact cyber security

Week 2 Threats and Vulnerabilities

- Threats, exploits and risks
- Key sectors that need protection
- Threat intelligence lifecycle
- Open-source intelligence and data reliability
- Threat model analysis and evaluation

Week 3 Malicious Software

- Types of malicious software and how they work, motives behind them, human factors involved
- Social engineering

Week 4 Detection and Response

- Learn about creating an incident postmortem
- Incident response lifecycle
- Learn about ISO standards

Week 5 Testing and controls

- Learn about different types of cyber security testing
- Learn about different cyber security frameworks
- Learn how to apply cyber security controls

Week 6 Web Application Security

- Common attacks against web applications
- Broken access controls
- Identification and authentication failure
- Cryptography failures

Week 7 Operating System Security

- C.I.A
- Authentication and passwords
- File permissions
- Malicious programmes

Week 8 Network Security

- Cyber Kill Chain
- Intrusion Prevention System (IPS)
- Virtual Private Network (VPN)
- Intrusion Detection System (IDS)

Week 9 Digital Forensics

- Digital forensics process
- Forensic Artifacts
- Public-sector investigations
- Private-sector investigations

Week 10 Security Operations Center (SOC)

- Purpose of SOC
- SOC services

Week 11 & 12 Project Week and Employability

- A cyber security project to include different security protocols
- CV support
- Interview techniques
- Cyber careers

Department for Education

SKILLS FOR LIFE
SKILLS BOOTCAMPS

Accredited qualifications: NCFE Level 3 Certificate in Cyber Security